

Partial Listing



US006264104B1

(12) United States Patent

Jenkins et al.

(10) Patent No.: US 6,264,104 B1

(45) Date of Patent: *Jul. 24, 2001

- (54) VENDING DEVICE WITH REMOTE ELECTRONIC SHOPPING FACILITY

- (75) Inventors: Alan Ernest Jenkins, Pearcedale; Siegmund Grondman, Upwey; Gower Smith, Kirribilli; Tony Bruck, East Lindfield, all of (AU)

- (73) Assignee: Imaging Technologies Pty Limited,
Crows Nest (AU)

(*) Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

- (21) Appl. No.: 08/716,426
(22) PCT Filed: Mar. 21, 1995
(86) PCT No.: PCT/AU95/00154
§ 371 Date: Nov. 25, 1996
§ 102(e) Date: Nov. 25, 1996
(87) PCT Pub. No.: WO95/26004
PCT Pub. Date: Sep. 28, 1995

Related U.S. Application Data

- (63) Continuation-in-part of application No. 08/387,715, filed as application No. PCT/AU93/00416 on Aug. 13, 1993, now Pat. No. 6,029,851.

(30) Foreign Application Priority Data

- Mar. 21, 1994 (AU) PM4610
(51) Int. Cl.⁷ G06K 15/00
(52) U.S. Cl. 235/383; 235/380; 235/379
(58) Field of Search 235/379, 380,
235/383; 705/27; 380/25; 395/12

References Cited

U.S. PATENT DOCUMENTS

4,598,810	7/1986	Shore et al.	194/205
4,884,212	11/1989	Stutsman	364/479
4,896,024	1/1990	Morello et al.	235/381
4,947,028	8/1990	Gorog	235/381
4,961,507	10/1990	Higgins	221/129
4,992,940	2/1991	Dworkin	364/401

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

WO 90/11572 10/1990 (WO) .
WO 92/06438 4/1992 (WO) .
WO 94/28497 12/1994 (WO) .
WO 95/04333 2/1995 (WO) .
WO 95/15533 6/1995 (WO) .

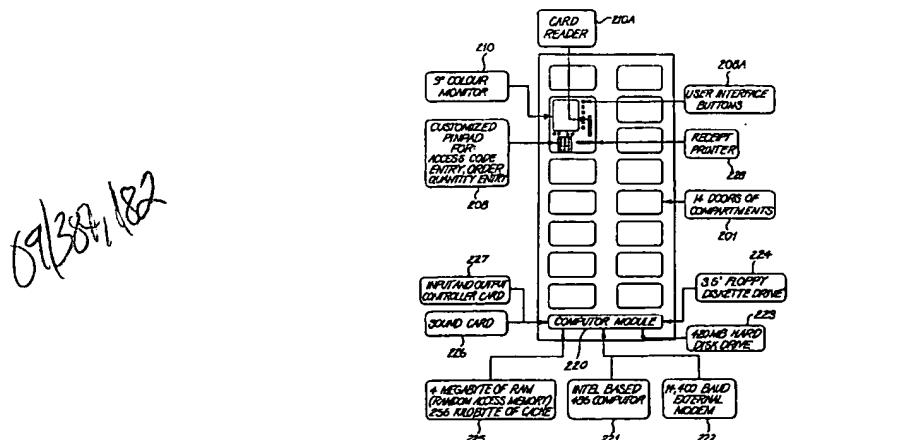
Primary Examiner—Karl D. Frech

(74) *Attorney, Agent, or Firm*—Marshall, O'Toole,
Gerstein, Murray & Borun

(57) ABSTRACT

A dedicated electronic catalogue device (150) and a dedicated system for providing goods/services ordered by the electronic catalogue device (150) from a remote location stores in memory (400) a catalogue database which can be accessed by a user by actuation of an appropriate input interface (500) for the user to select a particular product or service to be provided by a provider. A host device (300) at the location of the provider communicates with the electronic catalogue device (150) and obtains transaction information relating to the user's order. The provider then fills the order and provides the appropriate product or service. The dedicated electronic catalogue devices (150) can be provided at any convenient location such as a public location, for example. Any product or service is available which can be supplied by the provider. The catalogue can be updated remotely from the host (300) to update product or service information.

38 Claims, 7 Drawing Sheets



US-PAT-NO: 6264104

DOCUMENT-IDENTIFIER: US 6264104 B1

TITLE: Vending device with remote electronic shopping facility

----- KWIC -----

Brief Summary Text - BSTX (30):

The present invention further provides a method of providing for remote ordering and supply of goods/services, comprising the step of providing, at a first location, a processing device incorporating a memory storing a catalogue data base including information on products and/or services available for order, and having input means to enable a user to select available products and/or services from the catalogue data base for order, providing, at a second location remote from the first location, a host device, the host device being arranged to communicate with the processing device to receive and process information relating to products/services ordered, and providing a service infrastructure for delivering products/services ordered to the first location.